

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	ALFT et al.	Prior Examiner:	Pezzuto, Robert E.
Prior Pending App Serial No.	10/304,185	Prior Group Art Unit:	3671
Divisional Filed:	April 2, 2004	Docket No.:	VERA.024DIV3
Title:	EARTH PENETRATING APPARATUS AND METHOD EMPLOYING RADAR IMAGING AND RATE SENSING		

19587 U.S. PTO
10/817202
040204

16085 U.S. PTO
040204

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 381020258 US
Date of Deposit: April 2, 2004

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, MAIL STOP PATENT APPLICATION, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

Kelly S. Waltigney
Kelly S. Waltigney

DIVISIONAL PATENT APPLICATION UNDER 37 C.F.R. § 1.53(b)

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This is a request for filing a divisional patent application under 37 CFR § 1.53(b) of pending patent application serial number 10/304,185, filed on November 25, 2002 and to issue on April 13, 2004 as U.S. Patent No. 6,719,069.

The divisional application is entitled "EARTH PENETRATING APPARATUS AND METHOD EMPLOYING RADAR IMAGING AND RATE SENSING," for which the inventorship is identified on the attached Declaration and Power of Attorney (8 total pages) from the priority application, serial no. 09/405,890 filed on September 24, 1999 and issued as U.S. Patent No. 6,315,062. We are transmitting herewith the following:

- ☒ A divisional patent application, with a new specification claiming priority to the prior pending application. The new application is as follows: Pages 1-99 having 1 page of abstract and 1 claim, 24 sheets of drawings having Figures 1-25; and 8 pages of Declaration from the earliest priority application (U.S. Patent No. 6,315,062). No new matter has been added.
- ☒ Please charge Deposit Account No. 50-0996 **\$770.00** (VERA.024DIV3) in payment of the filing fee with authority given to credit/charge this Deposit Account to complete filing.

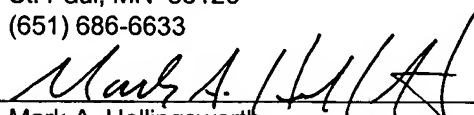
CLAIMS AS FILED

NUMBER FILED	NUMBER EXTRA		RATE	FEE
TOTAL CLAIMS (1):				
1 -20	0	X	\$18.00	\$0.00
INDEPENDENT CLAIMS				
1 -3	0	X	\$86.00	\$0.00
			BASIC FILING FEE:	\$770.00
			TOTAL FILING FEE:	\$770.00

3. ☒ **The first paragraph has the following priority information:**
"This is a divisional of patent application Serial No. 10/304,185 filed on November 25, 2002, which is a divisional of patent application Serial No. 09/867,952 filed on May 30, 2001, now U.S. Patent No. 6,484,818, which is a divisional of patent application Serial No. 09/405,890 filed on September 24, 1999, now U.S. Patent No. 6,315,062, which are respectively hereby incorporated by reference herein."
4. ☒ A set of drawings (24 sheets) is enclosed.
5. ☒ An Information Disclosure Statement filed under 37 C.F.R. §1.97(b), accompanied by (4) PTO 1449 Forms for consideration in the present patent application.
6. ☒ The present application is assigned to: **Vermeer Manufacturing Company, Pella, IA,** by virtue of a Recordation of Assignment, Reel/Frame 10464/573 in the earliest priority application.
7. ☒ The **Power of Attorney** in the prior pending application is to:
- Mark A. Hollingsworth
Reg. No. 38,491
Crawford Maunu PLLC
(651/686-6633 x104)
8. ☒ Address all U.S.P.T.O communications to the Attention of: Mark A. Hollingsworth at the address of correspondence and of record below:
- Crawford Maunu PLLC / 1270 Northland Drive, Suite 390 / St. Paul, MN 55120 USA.
9. ☒ A return postcard is enclosed.

Respectfully submitted,

CRAWORD MAUNU PLLC
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Mark A. Hollingsworth
Reg. No. 38,491

Date: April 2, 2004